

Technical Branch
Miscellaneous Technical Group
Traffic Signal Series

TRAFFIC SIGNAL TECHNICIAN

01/81

Summary

Under general supervision, performs moderately complex electronic and electrical work on a variety of solid state, electro-mechanical and auxiliary traffic signal control equipment; and performs related work as required.

Typical Duties

Installs, maintains, repairs, calibrates, times and troubleshoots a variety of solid state, electromechanical and auxiliary traffic control equipment; re-wires and modifies controllers and back panels; installs and splices aerial and underground multi-conductor interconnect cables; takes field voltage readings; performs annual preventive maintenance on all traffic control equipment using a variety of electronic and electrical testing equipment; replaces damaged traffic controllers, signal heads, standards, mast arms and wiring; participates in all aspects of installation of traffic control systems; makes emergency trouble calls; bench tests new equipment; supervises or trains a subordinate or small crews as assigned; maintains simple records and writes work reports.

Minimum Qualifications

Training and Experience: Graduation from high school or equivalent, supplemented by completion of electronics courses from a recognized school of electronics and four years practical experience in electronic work, including two years experience in the installation and maintenance of traffic controllers and traffic signals; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Good theoretical and practical knowledge of solid state, electromechanical and auxiliary traffic control equipment; good knowledge of the existing City traffic control systems.

Ability to identify and correct traffic systems field problems; ability to make quick and accurate field decisions; ability to work from blueprints and prepare sketches; ability to follow safety practices; ability to perform work requiring good physical condition and dexterity; ability to maintain effective working relationships with fellow employees and the general public.

Skill in the use of electronic testing equipment, hand tools and related automotive equipment.

Licenses and Certificates: Certificate of completion of electronic courses; Texas Class "C" Driver's License or equivalent license issued by another state.

Director of Personnel

Department Head